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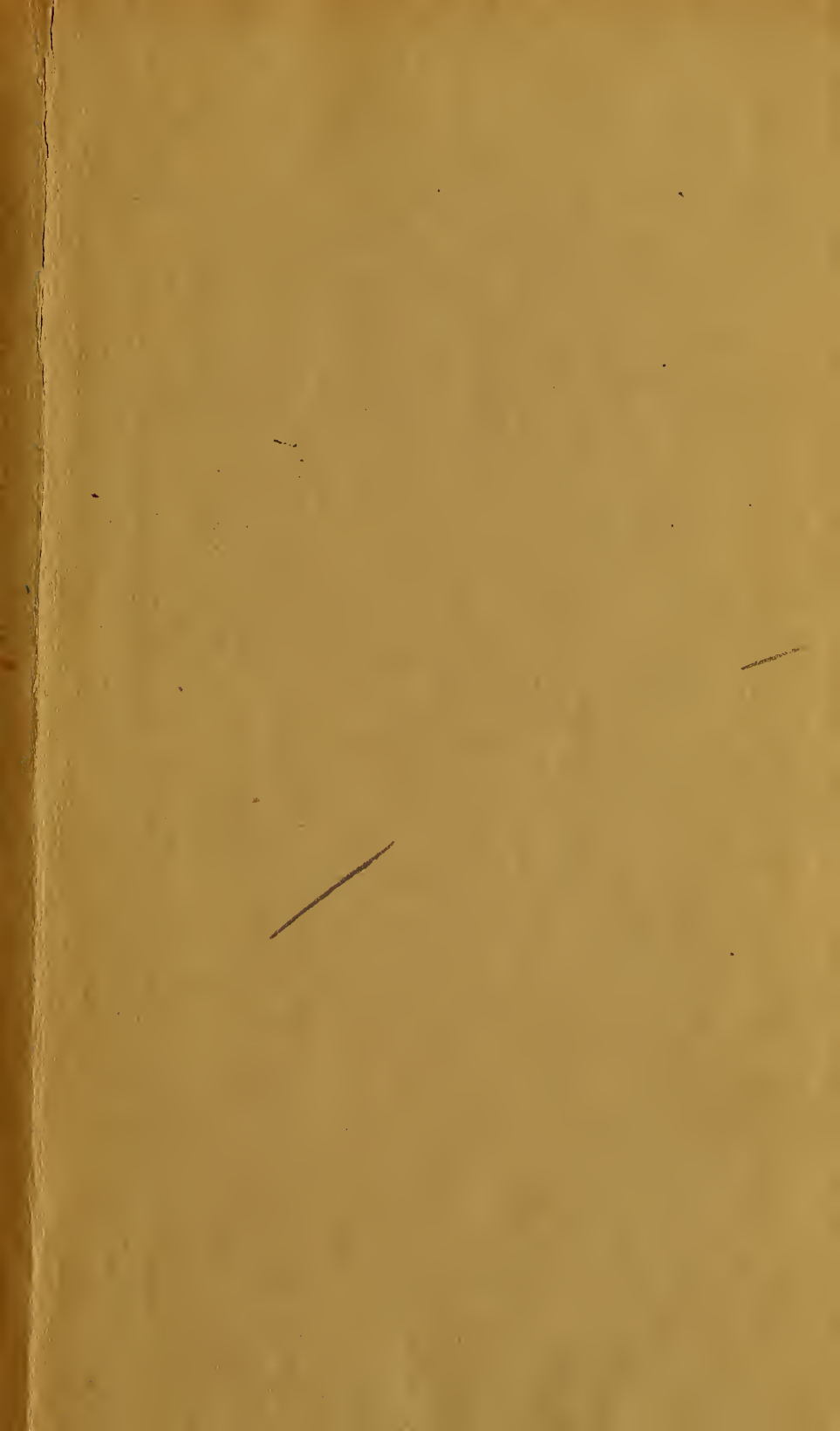
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1909-10





ANNUAL REPORT

OF THE

FIRE DEPARTMENT

FOR THE

YEAR ENDING JANUARY 31, 1909



CITY OF BOSTON
PRINTING DEPARTMENT
1909

1301

ANNUAL REPORT

OF THE

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FIRE DEPARTMENT

FOR THE

Compliments of

CHARLES H. COLE,

FIRE COMMISSIONER.



CITY OF BOSTON
PRINTING DEPARTMENT

1909



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CITY OF BOSTON
PRINTING DEPARTMENT
1909

, Vol. Cont. June 29, 1926

WILLIAM L. GIBSON

ART 40

NOTES TO

ANNUAL REPORT
OF THE
FIRE DEPARTMENT
FOR THE YEAR 1908-1909.

BOSTON, June 29, 1909.

HON. GEORGE A. HIBBARD,
Mayor of the City of Boston:

SIR,—I respectfully submit the annual report of the Fire Department from February 1, 1908, to February 1, 1909, in accordance with the Revised Ordinances.

While the total number of alarms received was less than those of the preceding year, the total fire loss was larger, due to the fire on the docks at East Boston and at Park Square Station, the estimated loss at these two fires being \$1,910,280.91. The department sent thirteen engines, three ladder trucks and the fire boat to Chelsea at the fire on April 12, 1908. The work of the department in preventing what might have been a conflagration at East Boston at that time deserves commendation.

During the year fifteen call men have been replaced by permanent men, and fifteen detailed men have been returned to regular fire duty. These changes have not only strengthened the fire fighting force, but the work of the repairs to the various houses has been done at less cost by employing men rated by the Civil Service Commission. As it is apparent that the work of the department requires men

of sufficient size, a height and weight limit of 5 feet 7 inches and 135 pounds has been established for candidates for the department. A yearly test of all the hose was made under 200 pounds pressure, and also a trial of the present salt water system. That the officers might have a better knowledge of the different apparatus and appliances in use, a school for officers was held during the summer months with satisfactory results.

Arrangements are being made with adjoining cities and towns by which prompt assistance can be rendered and received in case of need, which should be of mutual benefit.

The new fire boat will be in service during the summer, and quarters are now being built at East Boston, where one of the fire boats will be stationed. It is proposed to make a new district of the water front, in charge of a district chief. This will materially increase the protection of the water front, which is much needed. Plans are being prepared for a new engine house at Forest Hills, where a combination automobile chemical will be stationed. An engine house should be built in the vicinity of Lauriat avenue, the temporary quarters of Chemical 11 being entirely inadequate, both for the company and the apparatus. As soon as possible, a ladder truck should be stationed in the Brighton district,

I strongly recommend the installation of a high pressure service, with a pumping station at the Charles River Basin, and that provision be made by which the service can be extended each year. This will afford much better protection in the congested districts, and eventually will afford opportunity to station more engines in the outlying districts.

The services of this department demand that the highest possible standard of efficiency be required, that the apparatus and appliances be modern, and that the size of the department increase in proportion to the growth of the city. The prompt and close attention to duty of both officers and men during the past year has enabled the department to perform its duty in a satisfactory manner.

ORGANIZATION.

Commissioner, SAMUEL D. PARKER; term expires May, 1910.
 Secretary, BENJAMIN F. UNDERHILL.
 Chief of Department, JOHN A. MULLEN.
 Deputy Chief, JOHN GRADY.
 Second Deputy Chief and Chief of District 8, PETER F. McDONOUGH.
 Superintendent of Fire Alarms, BROWN S. FLANDERS.
 Assistant Superintendent of Fire Alarms, CYRUS A. GEORGE.
 Superintendent of Repair Shop, ALFRED J. PORTER.
 Supervisor of Engines, EUGENE M. BYINGTON.
 Veterinary Surgeon, GEORGE W. STIMPSON.
 Medical Examiner, RUFUS W. SPRAGUE.

Clerks.

George F. Murphy, Daniel J. Quinn, James P. Maloney, Edward L. Tierney.

District Chiefs.

District.	Headquarters.
1. John W. Godbold	Ladder House 2.
2. Charles H. W. Pope	" 9.
3. Joseph M. Garrity	" 8.
4. Henry A. Fox	Engine House 4.
5. Daniel F. Sennott	Ladder House 18.
6. Edwin A. Perkins	Engine House 1.
7. Stephen J. Ryder	" 22.
8. Peter F. McDonough	Ladder House 12.
9. Michael J. Kennedy	" 4.
10. John O. Taber	Engine House 18.
11. John F. Ryan	" 41.
12. Michael J. Mulligan	" 28.

Our Roll of Merit contains the names of:

Nathan L. Hussey	Engine 23.
Edward H. Sawyer	Ladder 4.
Edward H. Sawyer	" 4.
James F. Bailey	" 17.
Eugene Rogers	" 1.
Peter Callahan	Engine 4.
Joseph A. Kelley	Chemical 1.
Timothy J. Heffron	Engine 4.
James E. Downey	" 6.
Frederick F. Leary	Ladder 12.
Florence Donoghue	Combination 8.
James J. O'Connor	Engine 7.
James F. McMahon	Combination 8.

Martin A. Kenealy	Engine 7.
Denis Driscoll	" 7.
William H. Magner	Ladder 8.
Thomas J. Muldoon	Chemical 8.
Dennis McGee	Combination 5.
Joseph P. Hanton	Ladder 17.
Michael J. Teehan	" 17.
Charles W. Conway	" 13.
Michael J. Dacey	" 13.
Patrick E. Keyes	District Chief.

Force and Pay Roll February 1, 1909.

Commissioner	\$5,000	per annum.
Secretary	2,500	"
Chief of Department	4,000	"
Deputy Chief	2,400	"
Second Deputy Chief	2,200	"
Superintendent of Fire Alarms	3,200	"
Assistant Superintendent of Fire Alarms,	2,000	"
Superintendent of Repair Shop	2,000	"
Supervisor of Engines	2,000	"
Veterinary Surgeon	2,000	"
Assistant Veterinary Surgeon	1,400	"
Medical Examiner	1,300	"
Master Carpenter	1,300	"
Master Painter	1,300	"
Bookkeeper	1,650	"
2 Clerks	1,400	"
1 Clerk	900	"
1 Clerk	800	"
2 Clerks	700	"
11 District Chiefs	2,000	"
56 Captains	1,600	"
78 Lieutenants	1,400	"
1 Lieutenant, Aid to Chief	1,400	"
1 Lieutenant, Foreman of Hose and Har- ness Shop	1,400	"
1 Engineer	1,400	"
46 Engineers	1,300	"
1 Engineer	1,200	"
1 Engineer	1,000	"
46 Assistant Engineers	1,200	"
1 Assistant Engineer	1,100	"
584 Privates:		
399	1,200	"
67	1,100	"
63	1,000	"
46	900	"
9	720	"
27 Call men	200	"

FIRE DEPARTMENT.

5

8 Chiefs' drivers	\$1 75	per day
3 Chiefs' drivers	2 00	"
2 Chiefs' drivers	2 25	"
1 Horseshoer	3 00	"
3 Hostlers (average)	2 25	"
1 Shipkeeper	2 00	"

Fire Alarm Force.

1 Chief Operator	\$2,000	per annum.
6 Operators	1,600	"
4 Assistant Operators	1,200	"
1 Foreman of Construction	2,000	"
1 Machinist	\$4 25	per day
1 Machinist	4 00	"
20 Telegraphers and Linemen (average),	3 06	"

Repair Shop Employees.

1 Master Plumber	\$1,300	per annum.
1 Engineer	\$3 25	per day
4 Firemen	2 50	"
1 Painter	3 75	"
3 Painters	3 50	"
2 Painters	3 16	"
2 Wheelwrights	3 25	"
6 Machinists	3 25	"
3 Blacksmiths	3 50	"
1 Blacksmith	3 25	"
4 Blacksmiths' Helpers	2 50	"
2 Plumbers	4 40	"
3 Carpenters	3 50	"
1 Hose and Harness Repairer	3 25	"
1 Hose and Harness Repairer	2 25	"
1 Laborer	2 50	"
3 Laborers	2 25	"

966 total force.

FIRE DISTRICTS.

The city is divided into twelve fire districts as follows:

District 1.

All that part of Boston known as East Boston.

District 2.

All that part of Boston known as Charlestown.

District 3.

The territory bounded on the north and east by the water front, on the south by Summer street, and on the west by Washington street and Washington Street North.

District 4.

The territory bounded on the north by the Charles river, on the east by Washington Street North and Washington street, on the south by Winter, Tremont, Boylston, Arlington, Beacon and Otter streets, and on the west by the Charles river.

District 5.

The territory bounded on the north by Winter and Summer streets, Dorchester avenue, Congress street, Fort Point channel and the harbor to B street, on the east by B street, on the south by First street, across Dorchester avenue and Fort Point channel to Broadway Extension, Pleasant street, Park square and Boylston street, and on the west by Tremont street.

District 6.

The territory bounded on the north by Broadway Extension across Fort Point channel, and Dorchester avenue to First street, through First street to B street, on the west by B street to harbor line, by harbor line to Locust street, on the south by Locust and Dorset streets to the South bay and on the west by South bay to Broadway Extension Bridge.

District 7.

The territory bounded on the west by the Charles river, on the north by Otter, Beacon, Arlington and Boylston streets, Park square, Pleasant street and Broadway Extension, on the east by Fort Point channel and South bay and on the south by Massachusetts avenue and the Charles river.

District 8.

The territory bounded on the north by the Charles river and Massachusetts avenue, on the east by Washington street, on the south by Atherton and Mozart streets, Chestnut avenue, Sheridan and Centre streets, Hyde square, Perkins street, South Huntington avenue and Castleton street, across Jamaicaway to the Brookline line, and on the west by the Brookline line to Cottage Farm Bridge.

District 9.

The territory bounded on the north by Massachusetts avenue, South bay, Dorset and Locust streets, on the east

by Dorchester bay, on the south by Hoyt, Hancock, Bowdoin and Quincy streets, Columbia road, and on the west by Seaver street, Columbus avenue and Washington street.

District 10.

The territory bounded on the north by Seaver street, Columbia road, Quincy, Bowdoin, Hancock and Hoyt streets, on the east by Dorchester bay, on the south by the Neponset river and the Hyde Park line, and on the west by Harvard street and Blue Hill avenue.

District 11.

All that part of Boston known as Brighton, and extending east as far as Cottage Farm Bridge.

District 12.

All that part of Boston known as West Roxbury, bounded on the north by a line from the Brookline line across Jamaica-way to Castleton street, through Castleton street, South Huntington avenue and Perkins street, Hyde square, Centre and Sheridan streets, Chestnut avenue, Mozart and Atherton streets, Columbus avenue and Seaver street, and on the east by Blue Hill avenue and Harvard street, on the south by the Hyde Park and Dedham lines, and on the west by the Newton and Brookline lines.

In all cases where streets are designated as boundaries the center of the street will be the dividing line.

ASSIGNMENT OF DISTRICTS.

Each district is placed under the charge of a district chief as follows:

District.	Chief in Command.	COMPANIES IN DISTRICTS.			
		Engines.	Chemical Engines.	Ladders.	Water Towers.
1.....	John W. Godbold.....	5, 9, 11, 40	7	*2, 21	
2.....	C. H. W. Pope.....	27, 32, 36	3, 9	*9, 22	
3.....	Joseph M. Garrity.....	8, 25, 44	.....	*8, 14	
4.....	Henry A. Fox.....	*4, 6, 10	1	1, 24	
5.....	Daniel F. Sennott.....	7, 26, 35, 38, 39	.....	17, *18	1
6.....	Edwin A. Perkins.....	*1, 2, 15, 43	8	5, 19, 20	3
7.....	Stephen J. Ryder.....	3, *22, 33	2, 4	3, 13, 15	2
8.....	Peter F. McDonough....	13, 14, 37	12	*12, 26	
9.....	Michael J. Kennedy.....	12, 21, 23, 24	10	*4, 23	
10.....	John O. Taber.....	16, 17, *18, 19, 20, 46	11	6, 7, 27	
11.....	John F. Ryan.....	29, 34, *41	6	11	
12.....	Michael J. Mulligan....	28, *30, 42, 45	5	10, 16, 25	

* Headquarters of District Chief.

The following property is in charge of the Fire Commissioner:

Houses.

LOCATION.	Number of feet in lot.	Assessed Valuation.	Occupied by
Dorchester and Fourth sts.	8,167	\$25,800	Engine 1 and Ladder House 5 on this lot.
Corner of O and Fourth sts.....	4,000	16,400	Engine 2.
Bristol st. and Harrison ave.....	4,000	30,000	Engine 3 and Ladder 3.
Bulfinch st.....	6,098	96,000	Engine 4, Chemical 1 and Tower 1.
Marion st., East Boston.....	1,647	9,000	Engine 5.
Leverett st.....	2,269	40,000	Engine 6.
East st.....	1,893	36,400	Engine 7.
Salem st.....	2,568	24,000	Engine 8.
Paris st., East Boston.....	4,720	29,700	Engine 9 and Ladder 2.
River st.....	1,886	20,000	Engine 10.
Saratoga and Byron sts., East Boston,	10,000	38,500	Engine 11 and Ladder 21.
Dudley st.....	7,320	25,000	Engine 12.
Cabot st.....	4,832	16,000	Engine 13.
Centre st.....	5,713	14,600	Engine 14.
Dorchester ave.....	2,803	18,600	Engine 15.
Corner River and Temple sts.....	12,736	19,200	Engine 16 and Ladder 6.
Meeting House Hill, Dorchester District.....	9,450	17,300	Engine 17 and Ladder House 7 on this lot.
Harvard st., Dorchester District	9,440	18,300	Engine 18.
Norfolk st., " "	7,683	14,200	Engine 19.
Walnut st., " "	9,000	17,300	Engine 20 and Ladder 27.
Columbia road, " "	10,341	17,100	Engine 21.
Warren ave.....	7,500	62,500	Engine 22 and Ladder 13.
Northampton st.....	3,445	11,200	Engine 23.
Corner Warren and Quincy sts.....	4,186	18,100	Engine 24.
Fort Hill sq.....	4,175	100,600	Engine 25, Ladder 8 and Ladder 14.
Mason st.....	5,623	157,500	Engine 26 and 35.
Elm st., Charlestown District.....	2,600	18,000	Engine 27.
Centre st., Jamaica Plain.....	10,377	28,300	Engine 28 and Ladder 10.
Chestnut Hill ave., Brighton District,	14,358	37,200	Engine 29 and Ladder 11.
Centre st., West Roxbury District...	12,251	25,000	Engine 30 and Ladder 25.
Bunker Hill st., Charlestown District,	8,188	26,200	Engine 32.
Corner Boylston and Hereford sts....	5,646	81,000	Engine 33 and Ladder 15.
Western ave., Brighton.....	4,637	17,800	Engine 34.

Houses.—Concluded.

LOCATION.	Number of feet in lot.	Assessed Valuation.	Occupied by
Monument st., Charlestown District..	5,668	21,000	Engine 36 and Ladder 22.
Corner Longwood and Brookline aves.....	5,231	14,300	Engine 37 and Ladder 26.
Congress st.....	4,000	37,000	Engines 38 and 39.
Sumner st., East Boston.....	4,010	18,000	Engine 40.
Harvard ave., near Cambridge st., Brighton District.	6,112	25,500	Engine 41 and Chemical 6.
Washington, between Atherton and Beethoven sts.....	3,848	22,900	Engine 42 and Chemical 5.
Andrew sq.....	5,133	20,100	Engine 43 and Ladder 20.
Washington, cor. Poplar sts., Ros- lindale.....	14,729	22,400	Engine 45 and Ladder 16.
Dorchester ave., Ashmont.....	4,875	22,900	Engine 46.
Church st.....	3,412	23,600	Chemical Engine 2.
Shawmut ave.....	889	4,300	Chemical Engine 4.
Saratoga st., East Boston.....	9,300	40,600	Chemical Engine 7.
B st.....	1,804	7,800	Chemical Engine 8.
Eustis st.....	1,790	7,500	Chemical Engine 10.
Friend st.....	1,676	37,200	Ladder 1.
Dudley st.....	3,923	26,000	Ladder 4.
Main st., Charlestown.....	4,290	16,400	Ladder 9 and Chemical 9.
Tremont st.....	4,311	25,600	Ladder 12 and Chemical 12.
Harrison ave.....	2,134	23,500	Ladder 17.
Pittsburgh st., South Boston.....	8,964	35,400	Ladder 18 and Tower 3.
Fourth st.....	3,101	10,700	Ladder 19.
Washington st., Dorchester.....	6,875	21,400	Ladder 23.
Winthrop st.....	3,000	13,200	Chemical 3.
North Grove st.....	3,918	19,800	Ladder 24.

Assessed Valuation.

Fuel house, Dorchester street, 1,610 feet of land .	\$3,100
Fuel house, Salem street, 417 feet of land . . .	4,000
Fuel house, Main street, Charlestown, 2,430 feet of land	7,000
Headquarters Building and repair shop, corner of Albany and Bristol streets, 23,679 feet of land . .	185,000
Water Tower No. 2 and Wrecking Wagon are in Headquarters Building.	
Veterinary Hospital, Atkinson street, 64,442 feet of land	68,300
Fuel house, Washington, near Dover street, 1,007 feet of land	10,500

Engine Companies.

STEAM FIRE-ENGINES. — Forty-four in service.
 FIREBOAT. — One, located Central Wharf.
 HORSE HOSE WAGONS. — Forty-four.

No.	Location.	Built by	Put in Service.	Diameter of Cylinder.	Diameter of Pump.	Stroke.	Second size.
1	Dorchester st., near Fourth, S.B.,	Rebuilt by Amer. Fire Eng. Co., 1899.....	<i>April, 1890</i> 1899	8 $\frac{1}{8}$	5	7	Second size.
2	Fourth st., cor. O, South Boston,	Manchester Loco. Works.....	Nov., 1890	6 $\frac{1}{8}$	4	8	Fourth "
3	Harrison ave., cor. Bristol st. . .	American Fire Eng. Co.	Jan., 1904	9	5 $\frac{1}{4}$	8	First "
4	Bulfinch st.	International Power Co.	Jan., 1907	8 $\frac{1}{2}$	5	8	" "
5	Marion st., East Boston	Amer. Fire Engine Co., 1904.....	1904	8	4 $\frac{3}{8}$	8	Second "
6	Leverett st.	Rebuilt by Manchester Loco. Works,	Nov., 1900	7 $\frac{7}{8}$	4 $\frac{5}{8}$	8	" "
7	East st.	Rebuilt by Amer. LaFrance Fire Eng. Co., February, 1907.....	<i>Feb., 1893</i> 1907	9	5 $\frac{1}{2}$	8	First "
8	Salem st.	Amer. LaFrance Fire Eng. Co.	May, 1907 <i>Feb., 1888</i>	9	5 $\frac{1}{4}$	8	" "
9	Paris st., East Boston	Rebuilt by Amer. Fire Eng. Co.	Dec., 1901 <i>1886</i>	8	4 $\frac{3}{8}$	8	Second size
10	Mt. Vernon st., cor. River st. . .	Rebuilt by Amer. Fire Eng. Co.	July, 1903	8	4 $\frac{3}{8}$	8	" "
11	Saratoga st., cor. Byron st., E.B.,	Rebuilt by Manchester Loco. Co., May, 1905.	<i>March, 1879</i> 1905	6 $\frac{7}{8}$	4 $\frac{1}{4}$	8	Third "
12	Dudley st.	Manchester Loco. Works, rebuilt by same company, November, 1904..	<i>March, 1882</i> 1904	6 $\frac{7}{8}$	4 $\frac{1}{4}$	8	" "
13	Cabot st.	Rebuilt by Amer. Fire Eng. Co., <i>April, 1899</i>	<i>April, 1890</i> 1899	8 $\frac{1}{2}$	5	7	Second "

14	Centre st.	Rebuilt by International Power Co., December, 1907.	1872	1907	7 $\frac{3}{8}$	4 $\frac{5}{8}$	8	"
15	Dorchester ave. and Broadway, Temple st., Dorchester.	American Loco. Works.	Dec., July, 1872	1904	8 $\frac{1}{2}$	5	8	First
16	Meeting House Hill, Dorchester,	Rebuilt at Fire Dept. Repair Shop, 1893.	1893		7 $\frac{3}{8}$	4 $\frac{1}{2}$	8	Second
17	Harvard street, Dorchester.	Manchester Loco. Works, rebuilt by same company, January, 1906.	May, 1886	1906	6 $\frac{1}{8}$	4 $\frac{1}{4}$	8	Third
18	Norfolk street, Dorchester.	Manchester Loco. Works, rebuilt by same company, 1905.	Nov., 1890	1905	6 $\frac{1}{8}$	4	8	Fourth
19	Walnut street, Dorchester.	Manchester Loco. Works.	Feb., 1896	1896	6 $\frac{1}{8}$	4 $\frac{1}{4}$	8	Third
20	Columbia road, Dorchester.	Rebuilt by Amer. Fire Engine Co., 1900.	Aug., 1882	1900	8	4 $\frac{3}{4}$	8	Second
21	Warren avenue.	Rebuilt by International Power Co., February, 1907.	Sept., 1870	1907	7 $\frac{3}{8}$	4 $\frac{5}{8}$	8	"
22	Northampton street.	Manchester Loco. Works.	Nov., 1896	1896	7 $\frac{3}{8}$	4 $\frac{5}{8}$	8	"
23		Rebuilt by American Fire Engine Co.	April, 1890	1901	8	4 $\frac{3}{4}$	8	"
24	Warren st., cor. Quincy st.	Rebuilt by Amer. Loco. Works.	July, 1867	1904	7 $\frac{5}{8}$	4 $\frac{5}{8}$	8	"
25	Fort Hill square.	American Loco. Works.	Nov., 1906	1906	8 $\frac{1}{2}$	5	8	First
26	Mason street.	International Power Co.	Jan., 1909	1909	8 $\frac{1}{2}$	5 $\frac{1}{8}$	8	"
27	Elm street, Charlestown.	Rebuilt by American Fire Engine Co.	Feb., 1902	1902	8	4 $\frac{3}{4}$	8	Second
28	Centre street, Jamaica Plain ...	Rebuilt at Fire Dept. Repair Shop, June, 1904.	June, 1882	1904	6 $\frac{7}{8}$	4 $\frac{1}{4}$	8	Third
29	Chestnut Hill avenue, Brighton.	Rebuilt at Fire Dept. Repair Shop, July, 1900.	Dec., 1890	1900	6 $\frac{1}{8}$	4	8	Fourth
30	Centre street, West Roxbury.	Clapp & Jones Mfg. Co.	Oct., 1891	1891	7	4 $\frac{3}{8}$	7	Third
31	Spare fireboat.	Clapp & Jones Mfg. Co.	July, 1889	1889	16	9	10	{ 2 sets of pumps, 4,790 gallons. *
32	Bunker Hill st., Charlestown.	International Power Co.	June, 1907	1907	7 $\frac{5}{8}$	4 $\frac{5}{8}$	8	Second size.
33	Boylston street.	Manchester Loco. Works.	April, 1901	1901	7 $\frac{3}{8}$	4 $\frac{3}{8}$	8	Third
34	Western avenue, Brighton.	Rebuilt by American Loco. Co., March, 1904.	Dec., 1869	1904	7 $\frac{3}{8}$	4 $\frac{5}{8}$	8	Second

Engine Companies.—*Concluded.*

No.	Location.	Built by	Put in service.	Diameter of Cylinder.	Diameter of Pump.	Stroke.	
35	Mason street.....	Manchester Loco. Works, Self-pro- peller.....	Jan., 1898	9 $\frac{1}{4}$	5 $\frac{1}{2}$	8	Double extra first size.
36	Monument st., Charlestown.....	Rebuilt by American Loco. Works, December, 1904.....	1904	7 $\frac{3}{8}$	4 $\frac{3}{8}$	8	Second size.
37	Longwood avenue.....	Rebuilt by International Power Co., April, 1907.....	March, 1896	6 $\frac{7}{8}$	4 $\frac{1}{4}$	8	Third "
38	Congress street, South Boston...	Manchester Loco. Works, Self-pro- peller.....	June, 1897 June, 1901	9 $\frac{1}{4}$ 8 $\frac{1}{2}$	5 $\frac{3}{4}$ 5	8	Double extra first size.
39	Congress street, South Boston...	Manchester Loco. Works.....	<i>April, 1890</i> June, 1902 Feb., 1909	8 7 $\frac{5}{8}$	4 $\frac{3}{4}$ 4 $\frac{5}{8}$	8	First size.
40	Summer street, East Boston.....	Rebuilt by American Fire Eng. Co. International Power Co.....	March, 1884 1907	6 $\frac{7}{8}$	4 $\frac{1}{4}$	8	Second "
41	Harvard avenue, Brighton.....	Rebuilt by Amer. Loco. Co., No- vember, 1904.....	<i>Nov., 1867</i> 1904	7 $\frac{5}{8}$	4 $\frac{5}{8}$	8	Third "
42	Washington st., between Atherton and Beethoven streets ...	American Fire Eng. Co.....	Aug., 1895	12 $\frac{3}{4}$ H. P. 18 L. P. 10		11	Second " { 2 sets of pumps, 6,520 gallons.*
43	Andrew square, South Boston...	American Fire Eng. Co.....	Feb., 1895 <i>Nov., 1890</i> 1902	7	4 $\frac{3}{8}$	7	Third size.
44	Central Wharf (fireboat).....	American Fire Eng. Co.....		6 $\frac{1}{2}$	4	8	Fourth "
45	Washington st., cor. Poplar st., Roslindale.....	Rebuilt by Manchester Loco. Works, November, 1902.....					
46	Dorchester avenue, Ashmont...						

* At 225 revolutions per minute.

In Reserve.

A	Formerly Engine 43.....	Clapp & Jones.....	March, 1893	7	4 $\frac{3}{8}$	7	Third size
B	" " 21.....	Clapp & Jones.....	Dec., 1893	7	4 $\frac{3}{8}$	7	"
C	" " 21, 11 and Relief C.....	Rebuilt by Manchester Loco. Works, 1898.....	Nov., 1872	6 $\frac{7}{8}$	4 $\frac{1}{4}$	8	"
D	Formerly Engine 7.....	Rebuilt by Amer. LaFrance Fire Engine Co. 1907.....	June, 1895	9	5 $\frac{1}{2}$	8	"
E	" " 26.....	LaFrance Fire Engine Co.....	June, 1895	8 $\frac{3}{4}$	5 $\frac{1}{4}$	9	First
F	" " 1.....	Rebuilt at Fire Dept. repair shop, 1893.....	Sept., 1872	7 $\frac{3}{8}$	4 $\frac{1}{2}$	8	"
G	" " 25, and Relief G.....	Clapp & Jones.....	Nov., 1890	9	5 $\frac{1}{2}$	8	First
H	Formerly Engine 24 and Relief H.....	Clapp & Jones.....	Feb., 1888	7	4 $\frac{3}{8}$	7	Third
	Formerly Engine 2.....	Rebuilt by Amer. Fire Engine Co., 1904.....	1890	8	4 $\frac{3}{4}$	8	"
	" " 29.....	Rebuilt at Fire Dept. repair shop, 1893.....	1874	7 $\frac{1}{4}$	4 $\frac{3}{8}$	8	Second
	" " 5.....	Rebuilt by Amer. Loco. Co., December, 1905.....	Oct., 1872	7 $\frac{1}{4}$	4 $\frac{3}{8}$	8	Third
			Dec., 1905	7 $\frac{1}{4}$	4 $\frac{1}{2}$	8	Second

Also five hose wagons.

Chemical Companies.

CHEMICAL ENGINES. — Twelve in service.

Number.	Location.	Builders.	Put in Service.	Capacity.
1.....	Bulfinch st.....	Babcock Mfg. Co.....	Oct. 1890	<i>Gals.</i> 100
2.....	Church st.....	" ".....	April 25, 1874	160
3.....	Winthrop st., Charlestown.....	Fire Extinguisher Mfg. Co.....	April 29, 1898	70
4.....	Shawmut ave.....	Rebuilt by Hinman in 1886, re- built at repair shop, B. F. D....	April, 1906	100
5.....	Washington, between Atherton and Beetho- ven sts.....	Altered by Hinman.....	Sept. 21, 1876	170
6.....	Harvard ave., near Cambridge st., Brighton,	" ".....	May 1, 1876	160
7.....	Saratoga st., East Boston.....	" ".....	Sept. 27, 1886	100
8.....	B st., South Boston.....	" ".....	Oct. 27, 1887	160
9.....	Main st., Charlestown.....	" ".....	July 17, 1889	100
10.....	Eustis st.....	" ".....	Sept. 13, 1889	100
11.....	Carlos st., Dorchester.....	Charles T. Holloway.....	March, 1892	70
12.....	Tremont st.....	Babcock Mfg. Co.....	Oct., 1890	100

In Reserve.

A	Former Chemical 2.....	Charles T. Holloway.....	100
B	Former Chemical 1.....	" ".....	100
C	Former Chemical 12.....	" ".....	80
D	Former Chemical 6.....	Rebuilt by Strangman.....	100
E	Former Combination Wagon 2.....	Charles T. Holloway.....	70

LADDER TRUCKS. — Twenty-seven in service, including five extension ladder trucks.

Number.	Location.	Builders.	Put in Service.	Number of Ladders.
1.....	Friend street.....	Hunnehan & Co. Rebuilt by Charles Waugh & Co.	Aug. 24, 1901	12
2.....	Paris street, East Boston.....	Built by Abbott-Downing Company.....	June 2, 1886	12
3.....	Harrison avenue, cor. Bristol street.....	" "	April 25, 1884	14
4.....	Dudley street, Roxbury.....	" "		15
5.....	Fourth, near Dorchester street.....	Hunnehan & Co. Rebuilt by Charles Waugh & Co.	Nov. 4, 1902	17
6.....	River street, Dorchester.....	C. N. Perkins & Co.	Aug., 1905	17
7.....	Meeting House Hill.....	C. T. Holloway & Co.	July 28, 1898	10
8.....	Fort Hill square.....	Hunnehan & Co. Rebuilt at Fire Department repair shop.....	1907	14
9.....	Main street, Charlestown.....	Charles Waugh & Co.	1901	15
10.....	Centre street, Jamaica Plain.....	Hunnehan & Co.	Dec. 21, 1870	12
11.....	Chestnut Hill avenue, Brighton.....	American LaFrance Fire Engine Company.....	Jan., 1907	14
12.....	Tremont street, Roxbury.....	Rebuilt by Boston Fire Department.....	Nov., 1906	15
13.....	Warren avenue.....	Fire Department repair shop.....	1907	Extension
14.....	Fort Hill square.....	Rebuilt by American LaFrance Fire Engine Co. " "	June, 1906	Extension
15.....	Boylston street.....	" "	Nov., 1906	Extension
16.....	Washington, cor. Poplar st., Roslindale, Harrison avenue.....	Repair shop.....	Sept., 1888	15
17.....	Pittsburgh street.....	Rebuilt by American LaFrance Fire Engine Co....	June, 1906	Extension
18.....	Fourth street, South Boston.....	International Fire Engine Company.....	Oct. 14, 1902	Extension
19.....	Andrew square, South Boston.....	Fire Extinguisher Manufacturing Company.....	Jan., 1898	8
20.....	Saratoga, cor. Byron st., East Boston.....	Charles N. Perkins & Co.	Dec. 30, 1902	8
21.....	Monument street, Charlestown.....	Charles T. Holloway.....	Jan., 1898	9
22.....	Washington street, Dorchester.....	Fire Extinguisher Manufacturing Company.....	Jan., 1898	9
23.....	North Grove street.....	Charles T. Holloway & Co.	Nov. 8, 1898	9
24.....	Centre street, West Roxbury.....	" "	Oct. 1901	7
25.....	Longwood avenue.....	American LaFrance Fire Engine Co.	April 25, 1900	7
26.....	Walnut street, Dorchester.....	Charles N. Perkins & Co.	Nov., 1908	7
27.....			Nov., 1901	9

In Reserve.

Description.	Builders.
Relief A.....	Fire Department repair shop.
Relief B, old 8.....	Fire Department repair shop.
Former Ladder 11.....	Hunneman & Co. Rebuilt as Combination in 1900.
" 14.....	Fire Extinguisher Manufacturing Company.
" 2.....	Abbott & Downing.
" 8.....	Fire Department repair shop.
" 24.....	Fire Extinguisher Manufacturing Company.
" 6.....	Hunneman & Co.
	Extension

Water Towers.

WATER TOWERS. — Three in service.			
Number.	Location.	Builders.	Put in Service.
1.....	Bulfinch street.....	Kansas City Fire Department Supply Company.	Dec. 18, 1893.
2.....	Bristol street.....	" " " "	May 17, 1890.
3.....	Pittsburgh street.....	International Fire Engine Company.	Nov. 2, 1903.

PORTABLE EXTINGUISHERS. — Carried on ladder trucks, hose wagons, chemical engines, water towers, and located in the department houses.

WAGONS. — Thirty-nine for fuel, six for repairs, two for supplies, three for manure, and one caravan. Twenty for Chief of Department and District Chiefs (fifteen in service and five in reserve), also one top buggy for Superintendent of Fire Alarms.

PUMPS. — Forty-five: Thirty-nine for carrying hose, two for jobbing and four for Fire Alarm branch. District Chiefs' sleighs, seven. AUTOMOBILES. — Four.

TOOLS AND MACHINERY IN REPAIR SHOP. — In the repair shop one 25-horse-power steam engine, cylinder 9 by 31 inches, Putnam Machine Company; one 26-inch by 26-inch iron planer, 8-foot table, 12 ft. bed (new); two 14-inch swing engine lathes, 6-foot bed; one 14-inch swing engine lathe, 10-foot bed; one No. 2 upright drill; four blacksmith's forges; one furnace for heating tires; one 28-inch swing standard engine lathe; one 14-inch speed lathe, 5-foot bed; one 14-inch swing patent engine lathe, 5-foot bed; one 25-inch shaping machine; one 68-inch radial drill; one duplex and one Blake pump for feeding boilers; one Knowles triplex pump for testing hose; one patent goose-neck belt drill; one band saw; one circular saw; one electric sewing machine (new); one hose expanding machine (new); two boring machines (one old, one new); one buzz planer (new); one bolt cutter (new); one combination machine, shears and punch (new); two tire upsetters (one old, one new); one emery grinder (new); three upright tubular boilers, 100 horse-power; two dynamos for lighting and fire-alarm, together with numerous smaller tools and appliances, and also tools for repairing hose and harness.

NEW APPARATUS PUT IN SERVICE DURING THE YEAR.

Purchased:

- 1 First-size Amoskeag steam fire engine.
- 1 Second-size Amoskeag steam fire engine.
- 1 Ladder truck.
- 1 Ross runabout.
- 1 District Chief's wagon.

Built at Fire Department repair shop:

- 2 Ladder trucks.
- 1 District Chief's wagon.
- 1 Hose wagon.

Amount of hose purchased and condemned during the year:

	Purchased.	Condemned.
Leading cotton	26,710 feet	24,598 feet
Leading rubber	1,300 "	900 "
Chemical	—	1,400 "
Suction	123½ "	358 "
	<hr/>	<hr/>
	28,133½ feet	27,256 feet

Amount of hose in use and store February 1, 1909:

	In Use.	In Store.
Leading cotton	95,444 feet	4,784 feet
Leading rubber	6,650 "	1,100 "
Chemical	11,550 "	400 "
Rubber suction	915 "	285 "
Flexible suction	650 "	25 "
	<hr/>	<hr/>
	115,209 feet	6,594 feet

HORSES.

Purchased during the year	75
Sold or exchanged	15
Killed for cause	16
Died	6
Number in the department	400

EXPENDITURES FOR THE YEAR.

Salaries to January 28, 1909, inclusive:

Benjamin W. Wells, Commissioner, to January 31, 1908	\$109 59	
Samuel D. Parker, Commissioner, from February 1, 1908	4,972 58	
B. F. Underhill, Secretary	2,541 35	
John A. Mullen, Chief Engineer	4,065 63	
Deputy and District Chiefs	29,047 35	
Members of the various engine, hook and ladder and hose companies	1,000,717 64	
Clerks in office	6,020 13	
Pensioners	95,742 82	
	<hr/>	\$1,143,217 09
Less amount deducted for cloth		864 18
		<hr/>
		\$1,142,352 91

Horses:

Hay, grain and straw	\$44,091 11	
Shoeing	20,004 71	
Purchase and exchange of	14,630 99	
Attendants at hospital, medicines, etc.	8,180 90	
Harnesses and repairs	2,896 80	
Horse hire	798 75	
	<hr/>	90,603 26

Repairs of apparatus, including stock sent to repair shop:

Mechanics	\$31,239 25	
Materials, etc	27,462 33	
	<hr/>	58,701 58

Fuel for houses and engines	41,763 04
Tools and supplies	17,049 12
Repairs and alterations of houses	12,236 87

New apparatus:

Two engines	\$9,850 00	
One automobile	1,930 50	
One combination ladder and chemical	1,000 00	
Twelve extinguishers	264 00	
One wagon	215 00	
	<hr/>	13,259 50

Hose, pipes and repairs	30,978 91
Electric lighting	11,424 15

Carried forward \$1,418,369 34

FIRE DEPARTMENT.

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<i>Brought forward</i>		\$1,418,369 34
Furniture and bedding	\$5,886 00	
Washing	2,748 06	
		<hr/> 8,634 06
Rents		7,813 50
Printing		2,644 30
Medical services		1,894 29
Gas		1,657 27
Chemicals		941 57
Stationery		803 70
Hats, badges, buttons and belts		2,059 07
Janitress at headquarters		623 03
Ice		582 75
Traveling expenses		113 70
Rent of gas regulators		72 00
Reservoirs and hydrants		124 91
Freights and small items		96 99
Expenses of detailed men		46 25
Refreshments		9 80
Advertising		11 34
Cloth		1,136 58
Medical supplies		52 37
		<hr/> \$1,447,686 82

Fire-alarm telegraph:

Salaries: Brown S. Flanders, superintendent	\$3,252 08
Operators, repairers, etc.	45,553 49

\$48,805 57

Less amount deducted for cloth, 30 95

\$48,774 62

Repairs	2,407 97
Instruments, tools and repairs	3,196 80
Wire, cables and conduits	8,483 15
Electric power	803 79
Telephone service	927 60
Use of duct in East Boston tunnel	562 95
Car fares and traveling expenses	164 40
Maps and plans	118 26
Horse-keeping	104 50
Electric light for clocks	8 13

65,552 17

\$1,513,238 99

Engine 6 House, Addition.

Payments on account:

Contractors, M. F. McDonald & Son \$1,864 03

Total cost, \$5,085.55.

House and Apparatus, Parker Hill.

Payments on account:

Advertising \$27 90*House, Land and Apparatus, Forest Hills.*

Payments on account:

Advertising \$27 90*House, Land and Apparatus, Orient Heights.*

Payments on account:

Advertising \$30 90*Ladder 1 House, Rebuilding.*

Balance of payments:

Contractor, John J. Flynn \$2,671 41

Heating apparatus, William E. Bartlett 316 00

Water service pipe 35 25

Total cost, \$5,022.66.

\$3,022 66*New Fireboat.*

Continuation of payments:

Contractors, Bertelsen & Petersen Engineering

Company \$33,250 00

Inspector 252 00

Printing 219 74

Advertising 109 02

\$33,830 76

INCOME.

Car tickets redeemed \$37 10

Rent 40 00

Sale of celluloid badges 175 80

Sale of manure 182 25

Sale of old material 375 52

Fireworks licenses 959 00

Damage to Engine 36 at fire in Chelsea, September

21, 1908, paid by that city 999 89

Bath Department, steam for Dover Street Bath

House 7,451 15

\$10,220 71

FIRE DEPARTMENT.

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MONTHS.	ALARMS RECEIVED.						LOSS.		INSURANCE.		ALARMS.				BUILDINGS.									
	Members.	Police.	Citizens.	Telephone.	Automatic.	Unknown.	Total.	Buildings.	Contents.	Buildings.	Contents.	TELEGRAPH.		STILL.	Needless.	Fire.	Needless.	Fire.	Damage, None.	Damage, Slight.	Damage, Considerable.	Totally Destroyed.		
												Fire.	False.											
1908.																								
February...	9	17	231	37	7	5	306	\$71,358	\$81,421	\$1,909,061	\$684,550	165	5	18	93	25	234	3	18	3	96	129	14	1
March.....	4	16	210	36	16	7	289	47,448	128,347	2,858,785	1,665,675	163	8	5	85	28	196	7	41	4	74	126	3	..
April.....	6	21	271	62	11	12	388	187,105	47,545	1,477,495	632,114	161	13	20	172	17	215	1	108	10	113	94	6	4
May.....	4	27	211	25	12	10	289	43,045	62,679	1,879,346	581,882	145	10	14	100	20	174	4	65	2	86	85	10	2
June.....	19	31	280	52	13	18	413	23,846	51,651	907,761	281,330	198	19	18	155	23	213	3	136	1	105	108	6	..
July.....	13	55	274	53	19	21	435	649,144	746,761	2,348,265	1,171,554	189	22	16	177	31	195	21	162	5	104	95	10	12
August.....	3	10	181	19	9	6	228	14,332	18,415	726,405	235,875	126	6	15	63	18	166	1	21	1	91	76	..	1
September..	8	16	218	27	11	7	287	78,267	145,846	1,238,335	536,360	146	7	19	85	30	172	10	52	3	98	95	10	..
October....	5	20	251	32	18	8	334	56,312	69,498	1,555,553	661,192	152	8	21	115	38	198	9	55	6	98	104	12	1
November..	11	21	214	44	17	8	315	59,118	82,357	1,442,964	417,900	150	8	11	116	30	195	1	65	3	81	105	12	..
December..	6	14	255	57	13	7	352	108,867	95,097	1,754,541	524,144	189	7	14	112	30	244	6	49	2	106	136	16	1
1909.								Buildings and Contents.																
January....	6	11	212	33	12	5	279	* \$740,000		1,952,107	446,966	128	5	12	104	30	205	12	24	2	92	113	14	5
Totals .	94	259	2,808	477	158	114	3,910	† \$3,608,459		\$20,050,618	\$7,839,542	1,912	118	183	1,377	320	2,407	78	796	42	1,144	1,266	113	27

* Estimated.

† Total loss.

CAUSES OF FIRES AND ALARMS FROM FEBRUARY 1, 1908, TO FEBRUARY 1, 1909.

Alarms, unauthorized, for same fire.....	10	Lamp, upsetting and breaking.....	82
Alarms, accidental, automatic.....	115	Light mistaken for fire.....	43
Alarms, false.....	124	Matches and rats.....	33
Alarms out of city.....	42	Matches and children.....	90
Ashes, hot, in wooden receptacle.....	65	Matches, careless use of.....	235
Automobiles, igniting of.....	27	Meat burning on stove.....	7
Boiling over of fat or tar.....	40	Naphtha, careless use of, and ignition.....	35
Bonfires, grass, rubbish, etc.....	434	Oil stove, careless use of, and explosion.....	62
Careless use of lamps, candles, etc.....	78	Overheated boiler or steam pipe.....	22
Careless use of pipes, cigars, etc., in smoking.....	109	Overheated stove or furnace, plastering, drying.....	77
Chimneys, soot burning.....	207	Plastering, drying.....	6
Chimneys, defective.....	51	Plumber's, roofer's stove up-setting.....	9
Clothes too near stove.....	18	Rescues, elevators, miscellaneous.....	11
Collapse of building.....	2	Rekindling of ruins.....	5
Defective flue.....	12	Set by boys.....	116
Defective stovepipe.....	13	Slacking of lime.....	4
Defective furnace.....	3	Smoky chimneys.....	59
Defective gas pipe.....	13	Smoky lamp.....	3
Defective fireplace.....	3	Smoky stove or furnace.....	97
Electric motor igniting car..	18	Sparks from another fire....	28
Electric wires.....	48	Sparks from boiler.....	6
Explosion and ignition of chemicals.....	9	Sparks from chimney.....	52
Fireworks.....	21	Sparks from engine or locomotive.....	132
Friction.....	13	Sparks from forge.....	14
Fumigating.....	6	Sparks from furnace or stove	25
Gas, escaping and explosion of.....	7	Sparks from open grate.....	2
Gas jet setting fire.....	69	Sparks from steam roller....	1
Gas stove, careless use of, and explosion.....	21	Spontaneous combustion....	52
Grease, ignition of in ventilator oven.....	17	Steam escaping.....	18
Kerosene, to light fire.....	4	Street fight.....	2
Incendiary.....	67	Unknown.....	777
Incendiary, supposed.....	44	Water pipes, thawing out...	33
Lamp, explosion of.....	54	Water-back, bursting.....	3
		Wood in oven igniting.....	5
		Total.....	3,910

1908-1909.	FIRES EXTINGUISHED BY.							
	Extinguishers.	Buckets of Water.	Chemical Engines.	Hydrant Stream.	Steamer.	Miscellaneous.	Citizens.	Sprinklers.
1908.								
February.....	62	25	71	6	46	18	27	.....
March.....	43	35	56	15	41	27	27	.....
April.....	73	28	59	37	43	51	30	2
May.....	56	32	40	28	32	14	40	1
June.....	67	58	74	65	30	24	34	.....
July.....	74	47	68	57	35	37	42	1
August.....	48	29	35	12	18	13	32	.....
September.....	58	28	46	16	30	19	31	.....
October.....	55	35	51	27	36	18	38	1
November.....	73	28	37	26	34	40	24	1
December.....	66	38	65	19	44	39	28	.....
1909.								
January.....	70	31	48	8	32	22	20	.....
Totals.....	745	414	650	316	421	322	373	6

FIRE-ALARM BRANCH.

The principal feature of the work done by this branch for the maintenance and operation of the fire-alarm system for the past year has been underground construction within the district prescribed for 1908 by the Commissioner of Wires, viz.: On Harrison avenue, from Northampton to Zeigler street; Warren street, Roxbury, from Washington street to Grove Hall, a total distance of 10,540 feet.

Within this district cables have been placed in underground conduits, the circuits connected therewith, and all overhead wires removed in compliance with the requirement of the Wire Department. As in past years, other underground work has been done outside the prescribed district in order to improve conditions and promote the safety and efficiency of the service. In Ruggles street, from Tremont street to Huntington avenue, a cable has been laid and circuit connections extended by an aerial cable running to the house of Engine No. 37 on Huntington avenue.

On account of the work done by the Street Department for the construction of a new boulevard, extensive changes and repairs have been made on Washington street, between Grove and La Grange streets, Germantown, and in conjunction with this work renewal of and repairs made to the wires running into Dedham as far as Curve street for connection with the fire-alarm box previously established there, to be used for calling aid from this department in case of need.

In addition to this, underground work has been done in South street, from Guernsey to Fletcher street, West Roxbury, and for the installation of fire-alarm Box No. 60 on Church street in the city proper, and in Harvard avenue, Brighton, from Brighton to Commonwealth avenue, for Box 858.

In order to relieve the congested condition of the two circuits in Charlestown, two new box circuits were built during the year, and boxes, cut out from the old circuits, were connected therewith, practically making an equal division of boxes between the four circuits now covering that district.

A new arrangement of circuits has been made in Roxbury and West Roxbury; one new circuit was built, one old one discontinued, and general improvements have been effected throughout these districts. A new cable containing 37 conductors has been laid under the Fourth Street Bridge, from

Dover street draw to Foundry street, to replace the old cable which had become defective from long service, and new construction of the circuits in South Boston has been made to complete the work commenced last year.

The maintenance of electric lighting service in the department houses has called for much attention during the year.

Lamps have been replaced and switches, push buttons and other appliances necessary to their proper operation have been installed and kept in good condition, together with extensions and other new work done as conditions required. Extensive changes of this character have been made in the house of Engine No. 25 and Ladders Nos. 8 and 14, and the houses of Engine No. 6 and Ladder No. 1 were rewired on account of alterations made to the buildings.

On account of extensive repairs made to the school buildings by the Schoolhouse Department during the summer vacation it became necessary to cut out the fire-alarm boxes located therein for the time being, and to restore them to service on completion of the work. These repairs and alterations, together with other considerations, made it advisable to relocate some of the boxes and, in some instances, to equip them with keyless doors and place them on the outside instead of inside the buildings. While this work was done by the Schoolhouse Department, a direct supervision of it in all its details, so far as it applied to the arrangement and adjustment of the mechanism of the boxes and main circuit connections, was maintained by this department.

A new wagon has been received from the apparatus repair shop for use by the construction division to replace an old one condemned on account of its poor condition.

Some statistics pertaining to the system and details of work done for its maintenance are appended hereto:

From February 1, 1908, to February 1, 1909, there have been 2,285 box alarms struck by the bells, gongs and tappers, divided as follows:

First alarms	2,210
Second alarms	46
Third alarms	22
Fourth alarms	6
Fifth alarms	1

To give these alarms, together with striking the meridian blow, school signals, etc., it required 20,600,305 blows to be struck by the apparatus employed for that purpose.

There were 1,825 reports of fire received by telephone during the year. Of this number, 158 reports were for automatic

alarms, 611 were sent to headquarters by citizens, and 1,056 received from department houses. Box alarms were received and struck for 94 of these reports. The result of these reports, not including those for which box alarms were struck, was 16 alarms from the American District Telegraph Company, 142 from the Boston Automatic Fire Alarm Company and 1,542 still alarms, 600 of which were sent out from headquarters to the proper department houses, making a total of 1,700 still and automatic alarms. These added to the 2,285 box alarms make a grand total of 3,985 box, still and automatic alarms for the year. For 130 alarms the box was pulled two or more times for the same fire for which only one alarm was struck, and boxes adjacent to the one first received have been pulled on 200 different occasions and not struck as they were pulled for the same fire. Sixty-three alarms have been struck for Box 705, being the highest record of alarms from any box in any previous year.

SUMMARY OF CONSTRUCTION WORK.

New wire used	160,280	feet.
Old wire taken down	95,460	"
Overhead cable put up	4,581	"
Overhead cable taken down	635	"
Conductors in cable put up	39,034	"
Conductors in cable taken down	1,950	"
Underground cable used in ducts owned by N. E. Telephone and Telegraph Company	11,289	"
Same used in fire-alarm ducts, service connections, etc. (new construction)	719	"
Total underground cable used (new construction)	12,008	"
Conductors in same	167,965	"
Cable used for repairs	4,510	"
Conductors in same	67,631	"
Total underground cable in use	321,346	"
Conductors in same	7,301,583	"
Conduit built by this department	487	"
Conduit removed	56	"
Total conduit owned by city	28,602	"
Ducts laid	589	"
Ducts removed	102	"
Total ducts owned by city	36,233	"
Manholes built		1
Service connections		11
Boxes built over		35
Auxiliary boxes built over		2
New public boxes put in service		3
New auxiliary boxes		1

New private boxes	1
Auxiliary boxes taken out of service	3
Boxes equipped with keyless doors	11
Boxes placed on lamp-posts	5
Lamp-posts set	5
Lamp-posts reset for cause	4
Cross-arms used	258
Boxes now in service	708

The following boxes are private property: 113, 115, 117, 119, 149, 152, 161, 163, 166, 212, 228, 244, 271, 279, 283, 297, 299, 328, 342, 433, 434, 442, 443, 448, 449, 466, 467, 468, 475, 495, 511, 533, 617, 619, 626, 629, 653, 698, 711, 714, 715, 716, 718, 719, 720, 722, 724, 725, 726, 727, 728, 729, 730, 731, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 755, 758, 759, 762, 766, 767, 773, 776, 778, 779, 788, 791, 792, 793, 794, 795, 798, 828, 838, 842, 864, 865, 875, 919, 927, 967, 969, 971, 974, 2236.

ALARM BELLS.

The fire-alarm telegraph is connected with the following bells:

Engine House No. 16, Temple street, Dorchester, composition, 4,149 pounds, owned by city.

Engine House No. 28, West Roxbury, composition, 4,000 pounds, owned by city.

Engine House No. 29, Brighton, steel, 1,535 pounds, owned by city.

Old Engine House, Mt. Vernon street, West Roxbury, steel, 1,000 pounds, owned by city.

Engine House No. 34, Brighton, composition, 1,501 pounds, owned by city.

Engine House No. 41, Allston, composition, 800 pounds, owned by city. Formerly used on house of Engine No. 2.

Engine House No. 45, Roslindale, composition, 1,059 pounds, owned by city.

Faneuil Hall, steel, 5,816 pounds, owned by city.

Princeton Street Schoolhouse, East Boston, composition, 2,470 pounds, owned by city.

Bells owned by the city, which have been disconnected from service, are located as follows:

Adams Schoolhouse, Sumner street, East Boston, steel, 2,995 pounds.

Berkeley Temple, composition, 2,941 pounds. Formerly used on Quincy Schoolhouse.

Bunker Hill Schoolhouse, Charlestown, composition, 2,009 pounds.

City Hall, Charlestown, composition, 3,600 pounds.

Engine House No. 1, Dorchester street, South Boston, composition, 2,911 pounds.

Engine House No. 17, Meeting House Hill, Dorchester, composition, 4,000 pounds.

Engine House No. 18, Harvard street, Dorchester, composition, 3,184 pounds.

Engine House No. 19, Mattapan, Dorchester, composition, 2,927 pounds.

Engine House No. 20, Walnut street, Dorchester, composition, 3,061 pounds.

Engine House No. 21, Columbia road, Dorchester, composition, 3,026 pounds.

Ladder House No. 4, Dudley street, Roxbury, composition, 3,509 pounds.

Lawrence Schoolhouse, B street, South Boston, steel, 3,400 pounds.

Lincoln Schoolhouse, Broadway, South Boston, composition, 3,110 pounds.

Saratoga Street M. E. Church, East Boston, steel, 1,968 pounds.

Smith Street Schoolhouse, Roxbury, composition, 4,083 pounds.

Trinity Church, Trenton street, East Boston, composition, 1,760 pounds. Formerly used on Castle Street Church.

Van Nostrand's Brewery, Charlestown, composition, 818 pounds. Formerly used on Old Franklin Schoolhouse.

Warren Schoolhouse, Charlestown, composition, 3,000 pounds.

PUBLIC CLOCKS.

The following public clocks, turned over to the Public Buildings Department in May, 1907, were returned to the care of this department November 13, 1908:

City Proper.

Charles Street Church.

Christ Church, Salem street, owned by city.

Commercial Wharf.

Odd Fellows' Hall, Tremont street, owned by city.

Old South Church, owned by city.

Old State House, owned by city.

Suffolk County Jail, owned by city.

St. Stephen's Church, Clark street, owned by city.

Shawmut Avenue Church.

Tremont M. E. Church, owned by city.

Young Men's Christian Union, owned by city.

South Boston.

Gaston Schoolhouse, owned by city.

Lincoln Schoolhouse, owned by city.

Phillips Church, owned by city.

St. Augustine Church, Dorchester street, owned by city.

East Boston.

London Street Church, owned by city.

Lyceum Hall, owned by city.

Trinity Church, owned by city.

Orient Heights Church, owned by city.

Roxbury.

Winthrop Street Church, owned by city.

Boston Elevated Railway Carhouse, Columbus avenue,
owned by city.

Dorchester.

Baker Memorial (Upham's Corner), owned by city.

Neponset Church.

Tileston school (Mattapan), owned by city.

Unitarian Church (Milton Lower Mills).

Charlestown.

Bunker Hill Church.

City Hall, owned by city.

West Roxbury.

Dr. Strong's Church (South Evangelical), owned by city.

Unitarian Church, Jamaica Plain, owned by city.

Congregational Church (Roslindale), owned by city.

Brighton.

Bennett Schoolhouse, owned by city.

BOX ALARMS BY DISTRICTS.
FEBRUARY 1 TO FEBRUARY 1.

DISTRICT.	DISTRICT CHIEF.	ALARMS, 1907-1908.					ALARMS, 1908-1909.						
		First.	Second.	Third.	Fourth.	Fifth.	Total.	First.	Second.	Third.	Fourth.	Fifth.	Total.
1. East Boston.....	Godbold.....	219	13	6	2	....	240	208	5	2	2	1	218
2. Charlestown.....	Pope.....	189	8	3	....	1	201	140	7	2	....	....	149
3. North End and City Proper.....	Garrity.....	255	11	8	2	....	276	189	8	6	....	....	203
4. West End and City Proper.....	Fox.....	255	3	2	....	....	260	255	3	1	....	....	259
5. City Proper and South Boston.....	Sennott.....	132	7	2	2	....	143	84	2	....	....	....	86
6. South Boston.....	Perkins.....	272	3	....	....	....	275	176	7	2	....	....	185
7. South End and Back Bay.....	Ryder.....	269	5	2	....	....	276	284	4	6	3	....	297
8. Roxbury and Back Bay.....	McDonough.....	218	6	1	1	....	226	219	1	1	1	....	222
9. Roxbury and Dorchester.....	Kennedy.....	198	4	....	....	....	202	229	3	....	....	....	232
10. Dorchester.....	Taber.....	226	4	2	1	....	233	249	3	1	....	....	253
11. Brighton.....	Ryan.....	69	....	....	....	....	69	70	....	....	....	....	70
12. West Roxbury.....	Mulligan.....	135	3	....	....	....	138	107	3	1	....	....	111
Total.....	.....	2,437	67	26	8	1	2,539	2,210	46	22	6	1	2,285

YEARLY LOSS FOR THE PAST FIFTEEN YEARS.

Year ending February 1, 1895	\$1,369,230
“ “ 1, 1896	1,040,486
“ “ 1, 1897	1,394,707
“ “ 1, 1898	775,525
“ “ 1, 1899	1,441,261
“ “ 1, 1900	1,630,149
“ “ 1, 1901	1,702,217
“ “ 1, 1902	1,830,719
“ “ 1, 1903	1,762,619
“ “ 1, 1904	1,674,333
“ “ 1, 1905	2,473,980
“ “ 1, 1906	2,130,146
“ “ 1, 1907	1,130,334
“ “ 1, 1908	2,268,074
“ “ 1, 1909	3,610,000

ALARMS FOR THE PAST TEN YEARS.

YEAR.	Bell.	Still and Automatic.	Total.
1908.....	2,210	1,700	3,910
1907.....	2,441	1,600	4,041
1906.....	1,687	1,262	2,949
1905.....	1,905	1,210	3,115
1904.....	1,580	1,159	2,739
1903.....	1,633	1,121	2,754
1902.....	1,566	1,099	2,665
1901.....	1,349	977	2,326
1900.....	1,351	1,143	2,498
1899.....	1,387	1,125	2,512

BOSTON FIREMEN'S RELIEF FUND.

The Fire Commissioner, as treasurer of the Boston Firemen's Relief Fund, acknowledges the following contributions; these sums were accompanied by letters expressing appreciation for services rendered by the department.

DATE.	Name of Donor.	Amount.
1908.		
Feb. 4....	Winthrop Street M. E. Church Society.....	\$5 00
March 18....	Priscilla Publishing Company, 85 Broad street.....	25 00
May 18....	Boston Elevated Railway Company.....	100 00
May 22....	Standard Oil Company, of New York.....	250 00
Nov. 5....	Miss Marian Russell, 1 Louisburg square.....	200 00
Nov. 6....	Vacuum Oil Company.....	100 00
1909.		
Jan. 21....	Potter Drug & Chemical Corporation	500 00
Jan. 27....	E. B. Badger & Sons Company.....	100 00
		<u>\$1,280 00</u>

The receipts from the annual department ball and contributions constitute the fund from which sick benefits and doctors' bills are paid. Destitute members of deceased firemen's families are also given assistance from this fund.

FINANCIAL STATEMENT OF THE BOSTON FIREMEN'S RELIEF
FUND FEBRUARY 1, 1908, TO JANUARY 31,
1909, INCLUSIVE.

(The Mayor and Fire Commissioner, Trustees.)

Receipts.

Balance, February 1, 1908	\$992 87	
Net proceeds of ball, February 12, 1908	14,073 55	
Interest on bonds	7,210 00	
Interest on deposits	95 69	
Donations	1,280 00	
Sale of City of Boston bond	7,328 00	
	<u> </u>	
Total receipts		\$30,980 11

Expenditures.

Benefits paid	\$13,315 00	
Auditors' services; examining accounts, February 1, 1904, to July 7, 1908, to ascertain amount of defalcation	660 00	
Loans, American Trust Company,	6,000 00	
	<u> </u>	
Carried forward	\$19,975 00	\$30,980 11

<i>Brought forward</i>	\$19,975 00	\$30,980 11
Rent of box, International Trust Company	10 00	
Printing	9 00	
Free beds, Carney Hospital	200 00	
Free beds, Massachusetts General Hospital	200 00	
Paid to Monument Fund	4,691 18	
Shortage caused by irregular checks from February 1, 1908, to July 7, 1908	1,900 00	
	<hr/>	26,985 18
Balance, February 1, 1909		<u>\$3,994 93</u>

We have audited the accounts of the Boston Firemen's Relief Fund for the fiscal year ending January 31, 1909, and have reported in detail thereon. The cash balance on that date is correct, and we have examined the securities belonging to the fund, which are deposited in the safe deposit vaults, and find them fully accounted for.

Respectfully submitted,

AMOS D. ALBEE, SON & CO.,
Public Accountants and Auditors.

Respectfully submitted,

SAMUEL D. PARKER,
Commissioner.

